

WHAT WE CLAIM IS:

1. An arrangement for data transmission in an expandable modular system, preferably for point-to-multipoint transmission, formed of a plurality of structurally and electrically connectable modules, between each module being located databus connectors, which under operation allow connection and disconnection of the modules, each databus connector being connected to a driver and a receiver arrangement, each comprising output and input channels, said outputs being connected to said inputs, wherein for each module said arrangement comprises a signal termination arrangement arranged outside said driver and receiver between said output channels of the driver arrangement and the input channels of the receiver arrangement.

2. The arrangement according to claim 1, wherein said output channels of said driver arrangement are connectable to corresponding output channels of another driver arrangement of another module.

3. The arrangement according to claim 1, wherein said signal termination arrangement comprises an impedance load.

4. The arrangement according to claim 1, wherein said termination arrangement is arranged directly between the output channels of the driver arrangement and/or the input channels of the receiver arrangement.

5. The arrangement according to claim 1, wherein said module is a carrier for electronic components (410a, 410b).

6. The arrangement according to claim 1, wherein said module is a backplane.

7. The arrangement according to claim 1, wherein said data transmission is high bit rate transmission.

8. A backplane unit, preferably for point-to-multipoint transmission, for structurally and electrically interconnection to a second backplane unit, between each backplane unit being

FOOTNOTES

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a2
cont.

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and

located wiring and databus connectors, which allow plug-in and removal of a module, preferably under operation, each databus connector being connected to a driver and a receiver arrangement, each comprising output and input channels, said outputs being connected to said inputs, wherein between said output channels of the driver arrangement and the input channels
5 of the receiver arrangement and outside said driver and receiver arrangements, a signal termination arrangement is arranged.

9. The backplane unit according to claim 8, wherein said termination arrangement is arranged directly between the output channels of the driver arrangement and/or the input channels of the
10 receiver arrangement.

10. The backplane unit according to claim 8, wherein said output channels of said driver arrangement are connected to corresponding output channels of another driver arrangement through said backplane unit.

11. The backplane unit according claim 8, wherein said backplane unit is arranged in a high bit
15 rate transmission system.

12. A method for terminating signals and preferably reducing signal reflections in an
20 arrangement for data transmission in an expandable modular system, preferably for point-to-multipoint transmission, formed of a plurality of structurally and electrically connectable modules, between each module being located databus connectors, which under operation allow connection and disconnection of the modules, each databus connector being connected to a driver and a receiver arrangement, each comprising output and input channels, said outputs
25 being connected to said inputs, the method comprising arranging for each module a signal termination arrangement outside said driver and receiver between said output channels of the driver arrangement and the input channels of the receiver arrangement.

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FOOTNOTES